

ARACHIDONIC ACID METABOLISM

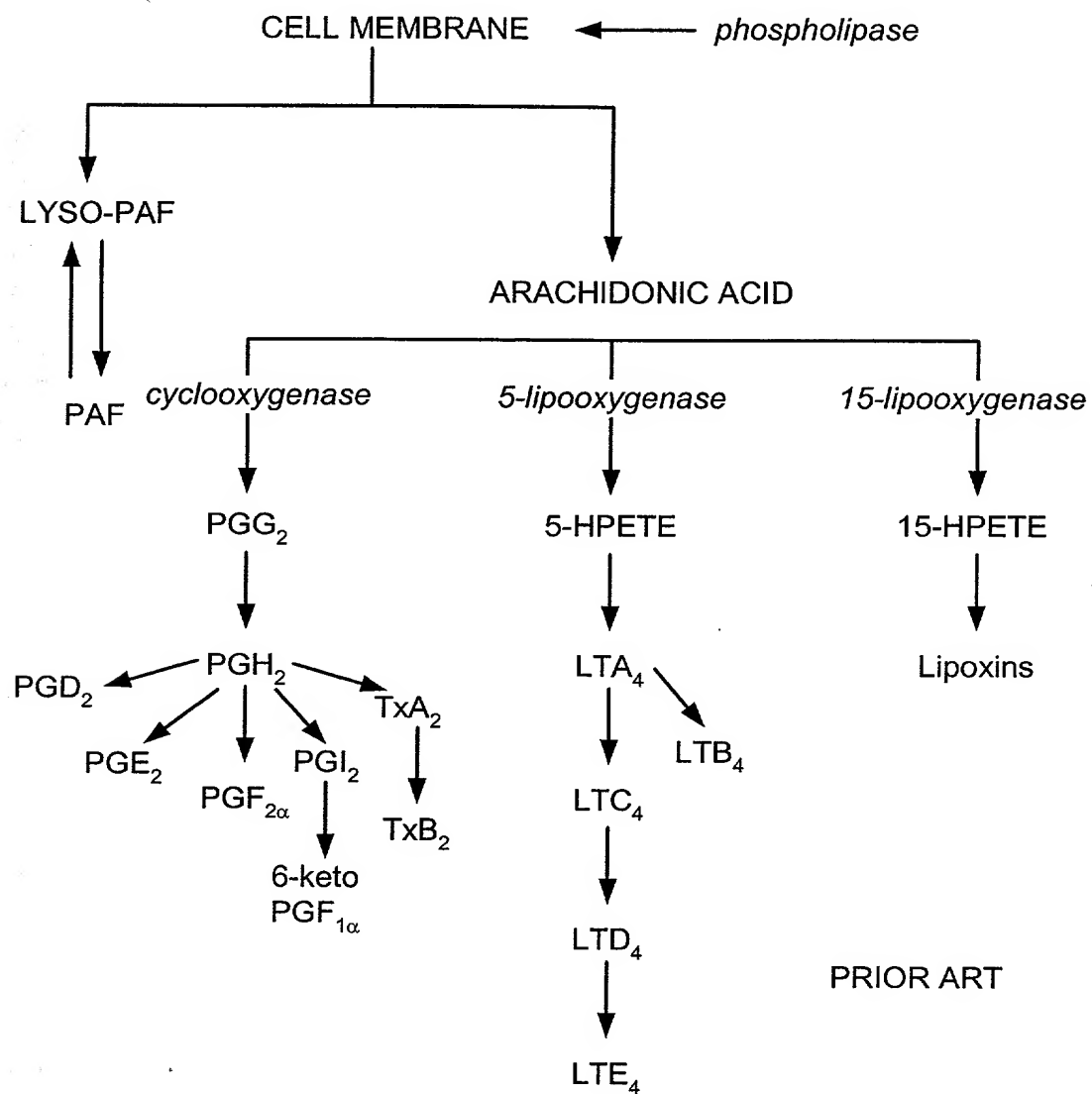


FIG. 1

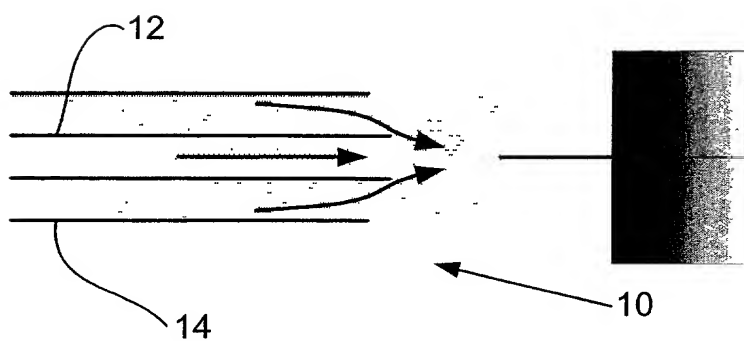
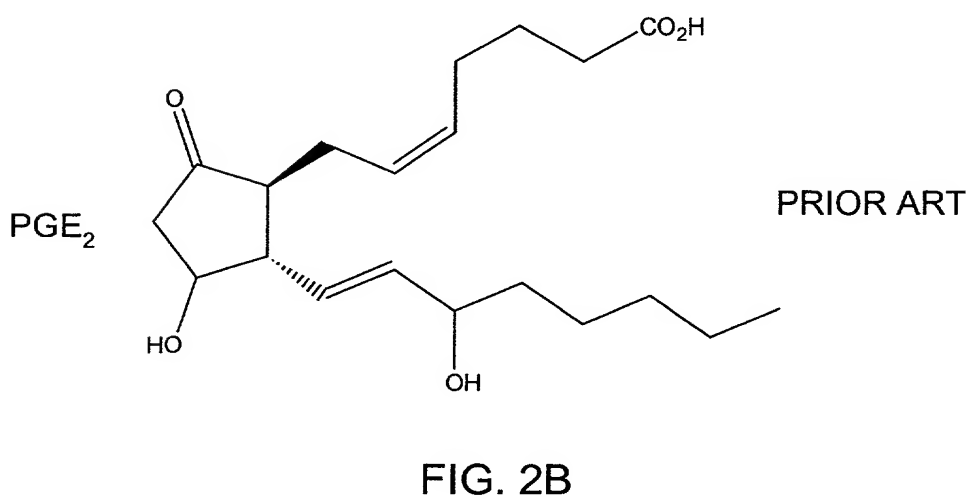
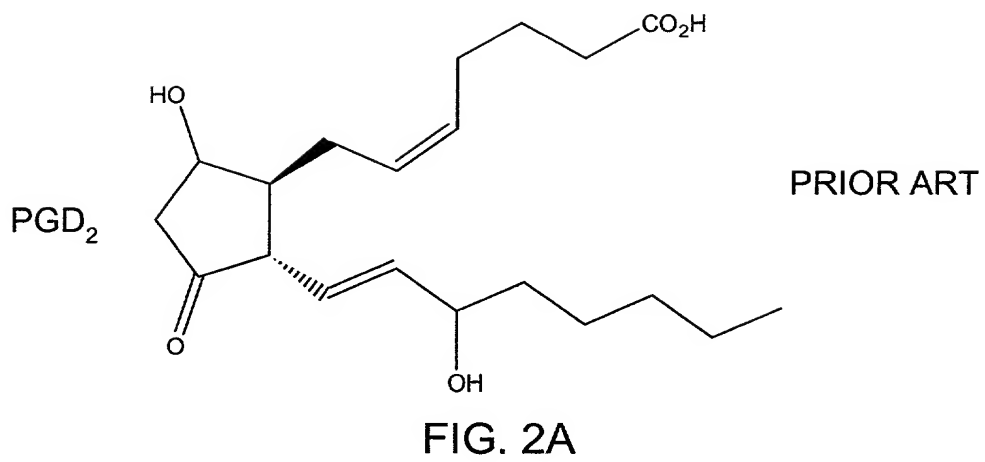


FIG. 3

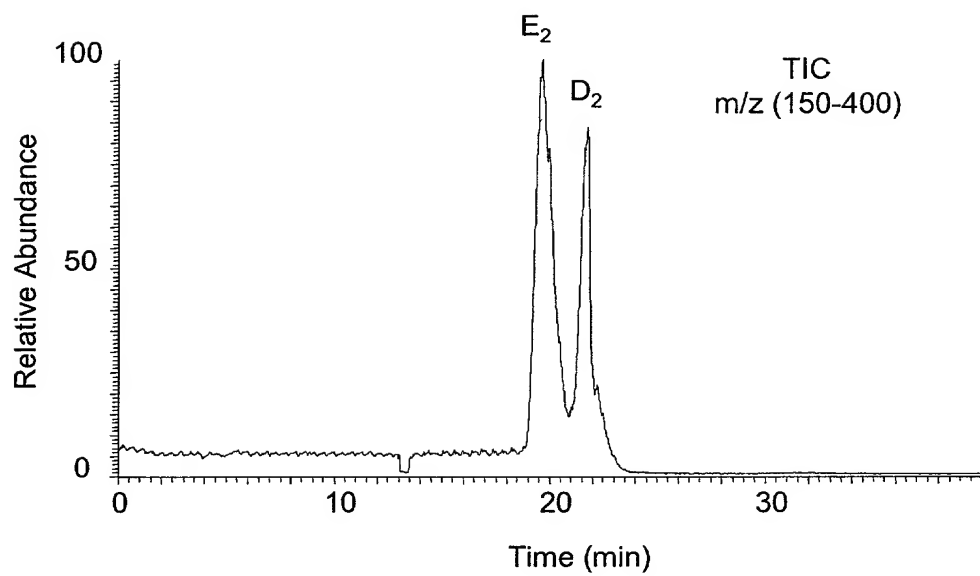


FIG. 4

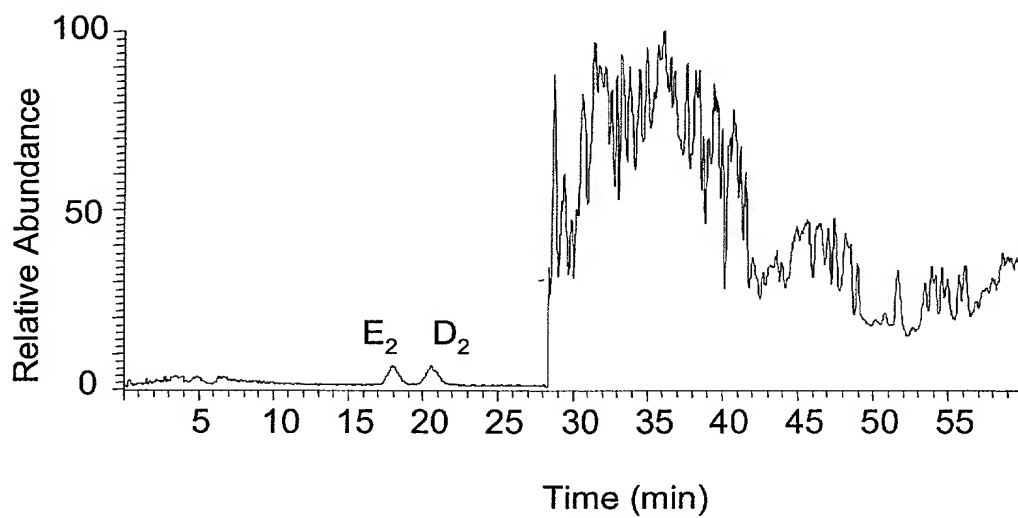


FIG. 5

Magic Temperature Controller
Temperature: 40

Magic Pump
Run time: 60.00 min
Initial Valve Position: INJECT
Pump A: Enabled
Pump B: Enabled

Time Program
time: 0.00 flow 45.00 %b: 26.00
time: 30.00 flow 45.00 %b: 26.00
time: 50.00 flow 45.00 %b: 90.00
time: 55.00 flow 45.00 %b: 26.00
time: 60.00 flow 45.00 %b: 26.00

Magic Detector
Run time: 60.00 min
Deuterium Lamp is Enabled
Tungsten Lamp is Disabled
Zero On Change is Enabled
WaveMode selected: Dual UV (190-365 nm)

Time Program
time: 0.00 wave1:214 wave2:234

FIG. 6A

LCQ Deca Instrument Method

MS Run Time (min): 60.00

Divert Valve: not used during run

Contact Closure: not used during run

Unimetrics Syringe Settings:

Flow Rate ($\mu\text{L}/\text{min}$): 15.00 Volume (μL): 500.00

Stop Syringe Pump at End of Run: Yes

MS Detector Settings:

Real-time modifications to method disabled

Segment 1 Information

Duration (min): 28.34

Number of Scan Events: 4

Tune Method: negative ion mode with lc

Scan Event Details:

1: Neg o(220.0-400.0)

2: Neg o(220.0-400.0)

3: Neg o(220.0-400.0)

4: Neg o(220.0-400.0)

Segment 2 Information

Duration (min): 31.66

Number of Scan Events: 1

Tune Method: angiolowflow

Scan Event Details:

1: Pos o(400.0-2000.0)

Custom Data Dependent Settings:

Not enabled

FIG. 6B

Duplication of PAL local LC-Inj cycle

Syringe: 10 μ L

01 LC-Inj

Air Volume (μ L)	0	
Pre Clean with Solvent 1	2	
Pre Clean with Solvent 2	3	
Pre Clean with Sample	1	
Filling Speed (μ L/s)	.5	
Filling Strokes	5	
Inject to		LC Vlv1
Injection Speed (μ L/s)	.5	
Pre Inject Delay (ms)	500	
Post Inject Delay (ms)	500	
Post Clean with Solvent 1	3	
Post Clean with Solvent 2	3	
Valve Clean with Solvent 1	3	
Valve Clean with Solvent 2	3	

SS420 Board Method

I. Acquisition

1. Number of channel in use: 2
2. Channel descriptions:
A: 214
B: 234
3. Sampling frequency (Hz): 10.000000
4. Acquisition time:
Run in 60.00 min

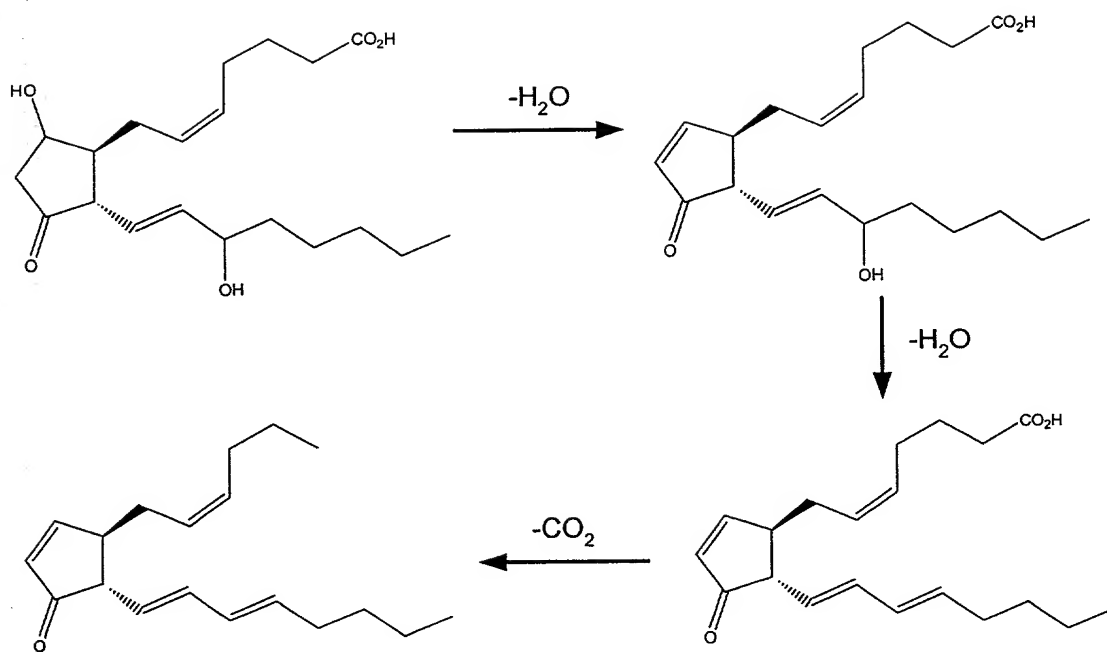
II. External Events:

External Events: not in use

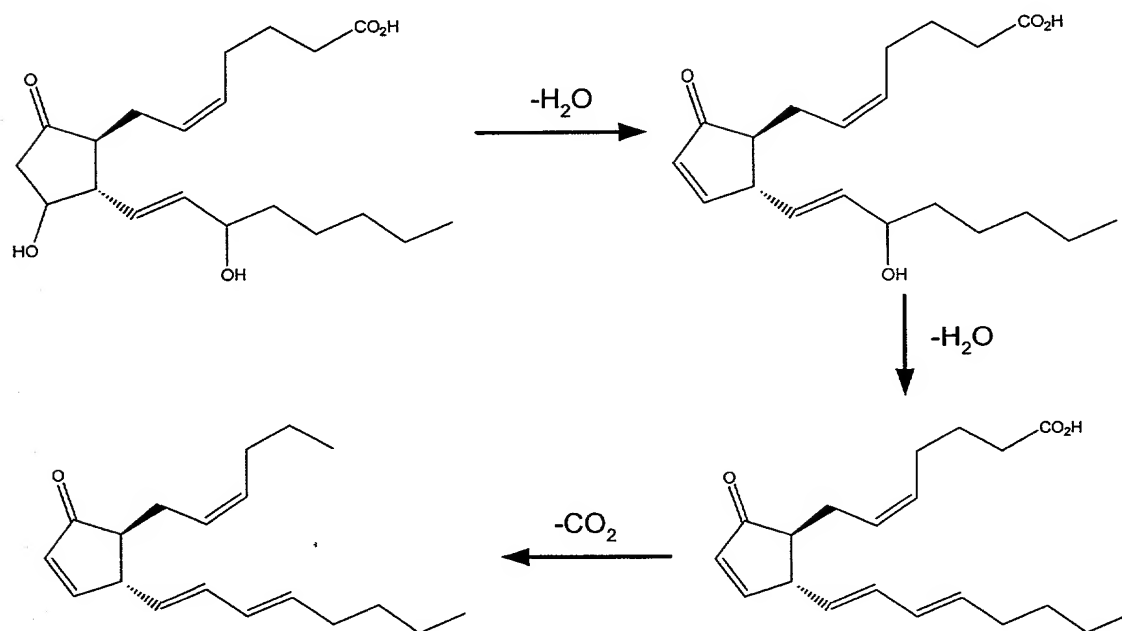
III. Configuration

Board Number: 1
Trigger Line: 1
Trigger type: closed contact causes trigger

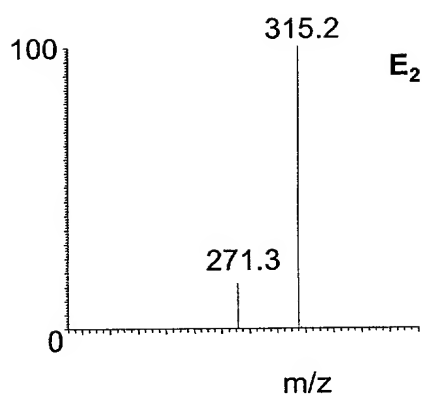
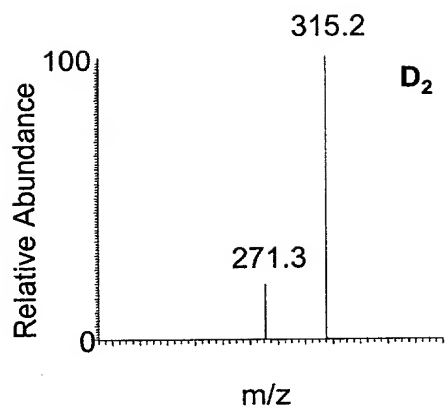
FIG. 6C



PRIOR ART FIG. 7A

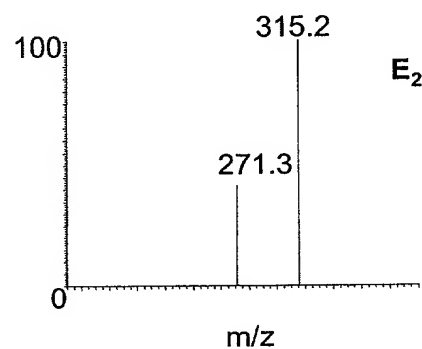
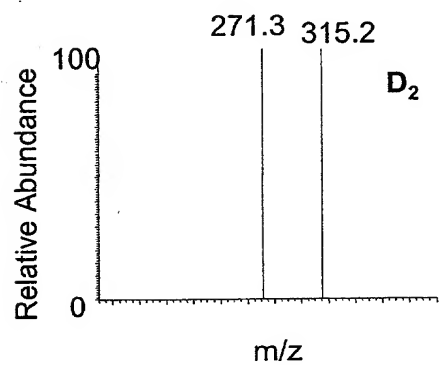


PRIOR ART FIG. 7B



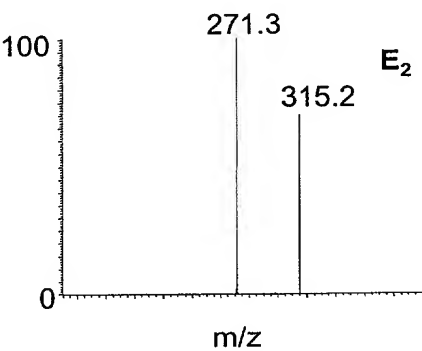
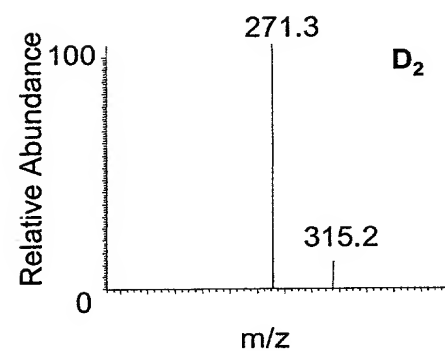
25%
Maximum
Energy

FIG. 8A



30%
Maximum
Energy

FIG. 8B



35%
Maximum
Energy

FIG. 8C